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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/085,524	02/26/2002	Ian A. Stewart	WRLD-1-1013	8721
25315 7590 05/15/2007 BLACK LOWE & GRAHAM, PLLC 701 FIFTH AVENUE SUITE 4800 SEATTLE, WA 98104			EXAMINER ZIA, SYED	
			ART UNIT 2131	PAPER NUMBER
			MAIL DATE 05/15/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/085,524	<b>Applicant(s)</b> STEWART, IAN A.	
	<b>Examiner</b> Syed Zia	<b>Art Unit</b> 2131	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 14 August 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1,6,7,12 and 13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,6,7,12 and 13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

This office action is in response to application filed on August 14, 2006. Original application contained Claims 1-11. Applicant currently amended Claims 1, and 7. Applicant cancelled Claims 2-5, 8-11, and added new claims 12-13. The amendments filed on August 14, 2006 have been entered and made of record. Therefore, presently pending claims are 1, 6-7, and 12-13.

#### ***Response to Arguments***

Applicant's arguments filed on August 14, 2006 have been fully considered but they are not persuasive because of the following reasons:

Regarding independent and dependent 1, and 7 applicants argued that cited prior art discloses a multicast system that communicates between sending and receiving entities and over a network, where the participant key manager of the participant establishes a private and authenticated connection with the admission control component of the sender.

Applicant argued that cited prior art fails to teach or suggest that *"a local address is attached to the multicast broadcast at the first computer system, the generated multicast broadcast with the local address is sent to a router local to the first computer system, the local address is removed, and a network multicast address is attached to the encrypted multicast broadcast before it is sent to a router associated with the user system."*

This is not found persuasive. The system of cited prior art [Caronni et al. (U. S. Patent 6,049,878).] clearly teach system and method of secure communication network resource access

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control for access information that involves a group key management component, coupled to a traffic distribution component, and has data structure for storing all the participant's keys. The participant key management component of a receiver holds a participant key shared with a sender and all receiving entities, and another participant key shared with the sender and to only one receiving entity. A predetermined sending and receiving multicast application is operated respectively by the sending entity and a number of receiving entities. Traffic distribution components including network drivers support a no connection datagram protocol. This system provides privacy of multicast messages, and performs updating securely without needing additional unicast or point-to-point sessions (Fig. 1-5, col.4 line 7 to col. 7 line 39).

As a result, the system of cited prior art does implement and teaches a system and method secure multicast transmission of data on Internet.

Applicants clearly have failed to explicitly identify specific claim limitations, which would define a patentable distinction over prior arts. The examiner is not trying to teach the invention but is merely trying to interpret the claim language in its broadest and reasonable meaning. The examiner will not interpret to read narrowly the claim language to read exactly from the specification, but will interpret the claim language in the broadest reasonable interpretation in view of the specification. Therefore, the examiner asserts that the system of cited prior arts does teach or suggest the subject matter broadly recited in independent Claims and in subsequent dependent Claims. Accordingly, rejections for claims 1, 6-7, and 12-13 are respectfully maintained.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 6-7, and 12-13 are rejected under 35 U.S.C. 102(b) as being anticipated by Caronni et al. (U. S. Patent 6,049,878).

1. Regarding Claim 1 Caronni teach a method for sending a secure multicast transmission, the method (Fig.1-5) comprising: requesting to join a multicast broadcast at a user system (col.4 line 7 to line 50); encrypting the multicast transmission (col.4 line 66 to col.5 line 12);

at a first computer system generating a multicast broadcast comprises generating the multicast broadcast at a computer system, encrypting the generated multicast broadcast comprises (col.5 line 13 to line 30); attaching a local address to the multicast broadcast at the first computer system; sending the generated multicast broadcast with the local address to the router local to the first computer system (col.6 line 20 to line 39, and Fig.2, col.1 line 11 to line 40); removing the local address and attaching a network multicast address to the encrypted multicast broadcast (col.7 line 7 to line 39); sending the encrypted multicast broadcast over a public network to a router associated with the user system requesting to join (col.5 line 13 to line 30, and col.6 line 20 to line 39); decrypting the sent multicast broadcast; and sending the decrypted multicast broadcast to the user system requesting to join (col.5 line 13 to line 30, and

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col.7 line 23 to line 39).

2. Regarding Claim 7 Caronni teach a system for sending a secure multicast broadcast, the system (Fig.1-5) comprising: a computer system coupled to a public network and configured to encrypt a multicast transmission; a first router coupled to the public network and the computer system (col.4 line 7 to col.5 line 12, and Fig.1, col.4 line 34 to line 50); and a user system configured to request to join a multicast broadcast, (col.5 line 13 to line 30, and col.6 line 20 to line 39); a second router associated with the user system (col.8 line 56 to line 67) wherein the second router is configured to receive the encrypted multicast broadcast from the first router over the public network, decrypt the sent multicast broadcast, and send the decrypted multicast broadcast to the user system requesting to join (col.5 line 13 to line 30, and col.7 line 23 to line 39), wherein the computer system attaches a local address to the generated multicast broadcast and sends the generated multicast broadcast with the local address to the router (col.6 line 20 to line 39), wherein the first router removes the local address, encrypts the sent multicast broadcast, and attaches a network multicast address to the encrypted multicast broadcast (col.7 line 7 to line 39).

3. Claims 6, and 13 are rejected applied as above rejecting Claim 1, and 7. Furthermore, Caronni teach and describe a system and method wherein

As per claim 6 decrypting the sent multicast broadcast is performed at a router associated with the user system (col.7 line 55 to line 67)

As per claim 13, the second router removes the network multicast address and attaches the local address (col.6 line 20 to line 39).

4. Claim 12 is rejected applied as above rejecting Claim 6. Furthermore, Caronni teach and describe a system and method wherein

As per claim 12, decrypting includes removing the network multicast address and attaching the local address (col.7 line 7 to line 67).

### ***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed Zia whose telephone number is 571-272-3798. The examiner can normally be reached on 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SZ  
May 08, 2007

*Syeda Zia*  
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PRIMARY EXAMINER  
MAY 21 2007